# **Panasonic**

Electronic Typewriter

MODEL NO. RK-T33



Read these instructions completely before operating this set.

Thank you for your purchase of the Panasonic RK-T33 Electronic Typewriter.

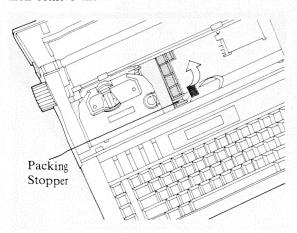
#### Caution

This equipment has been tested and found to comply with the limits for class B computing devices in accordance with the specifications set forth in Subpart J of Part 15 of the FCC rules. If this equipment causes interference to radio or television reception, which can be determined by turning the equipment on and off, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver.

•Use shielded cables for connection to RS-232C devices or other peripherals to ensure continued compliance with FCC emission limits.

#### **Cushion Removal**

Before using the typewriter, first open the Dust Cover. Next, open the Top Cover, push the Packing Stopper in the direction of the arrow and remove it, then remove the Cushions.



The serial number of this product may be found on the label at the right side of the bottom when the Top Cover is opened. Write down the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid in identification in the event of theft.

**MODEL NUMBER: RK-T33** 

SERIAL NUMBER:

	-	
	-	
	٦	
20		
М		

•		
-		
ITT	н	
	а	
-	3	
	3	
-	3	
	ч	

	-4			
Chapter		BEFOR	RE	USING

	NAMES AND OPERATION OF
	THE PARTS 4~7
1-2	POWER SUPPLY 7
	REPLACING THE CUPWHEEL™
5	PRINTING ELEMENT 8,9

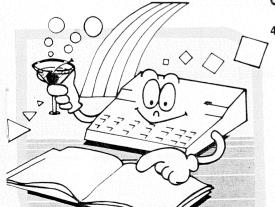
1-4	REPLACING THE RIBBON
	CASSETTE 10, 11
1-5	REPLACING THE CORRECTION TAPE 12
1-6	INSERTING THE PAPER13

# Chapter 2 BASIC OPERATIONS

2-1	TYPING
2-2	CORRECTION
2-3	DESCRIPTION OF FUNCTIONS 19~26

# Chapter 3 TEXT MEMORY

					27 21
2	TEVT	MEMORY	r.		 27~31
J	IEAI.	VILIVIONI		 	



# Chapter 4 PRINTER

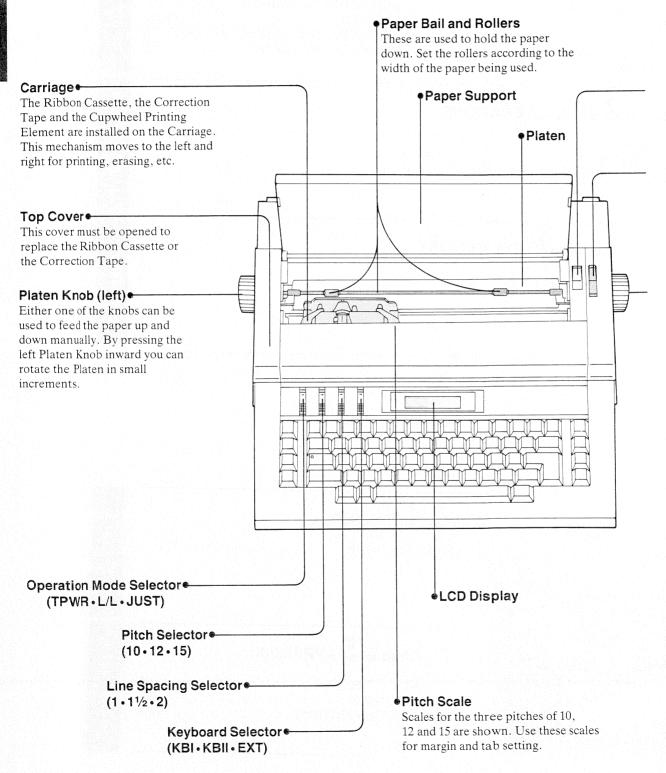
						_	0 04
1	USE AS	A PRIN	TER .	 	 	3	2~34

# Chapter 5 APPENDIX

5-1	CAUTIONS	35
5-2	OTHER	. 36, 37
	SPECIFICATIONS	

# NAMES AND OPERATION 1-1 OF THE PARTS

# a. Names and Operation of the Main Parts



### Accessories (included)

- •Cupwheel Printing Element
  - Correctable Film Ribbon Cassette
    - •Lift-off Correction Tape
      - AC Power Cord
        - Dust Cover

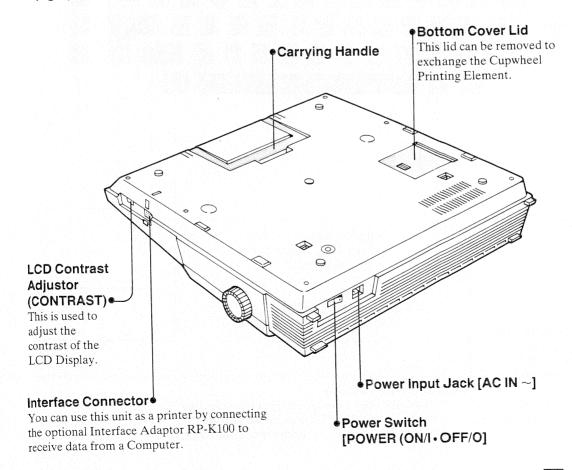
#### -Paper Release Lever

This lever is used to release the paper. Pull this lever towards you to adjust the paper position, and then move it back to lock the paper.

#### -Paper Bail Lever

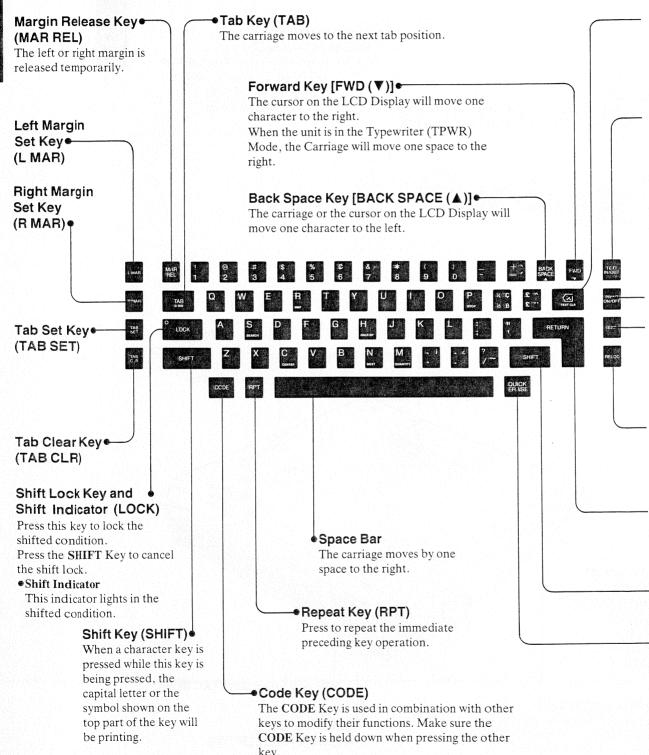
When this lever is pulled towards you, the Paper Bail will move away from the Platen. This allows the paper to be easily inserted and positioned for typing.

### → Platen Knob (right)



# NAMES AND OPERATION OF THE PARTS

# **b.** Names and Operation of the Function Keys

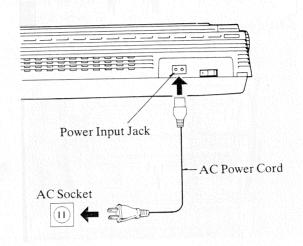


# **POWER** 1-2 SUPPLY

Chapter 1

# a. Using Household AC Power

Connect the AC Power Cord to the Power Input Jack in the unit and household AC Socket.



→ Delete Key (⊠) This key is used to delete printed characters or characters on the LCD Display.

→Text IN/OUT Key (TEXT IN/OUT)

This key is used for entering into the Text Memory Mode or for exiting from the Text Memory Mode.

Print ON/OFF Key (PRINT ON/OFF)

This key is used to start or stop the printout of the text stored in the Text Memory.

→ Express Back Space Key (EXP)

This key is used to return the carriage to the left margin without a line feed.

→ Relocation Key (RELOC)

The carriage moves to the position after the last printed character on the current line.

→ Return Key (RETURN)

The carriage moves to the left margin position of the next line.

-Shift Key (SHIFT)

→ Quick Erase Key (QUICK ERASE)

This key is used to automatically erase one word at a time.

#### **Power Switch** b.

When the POWER Switch is set to "ON", the carriage moves to the left margin which was last set and the unit is ready for typing.

# **Memory Back-up Function**

The following will remain memorized even after the POWER Switch has been set to "OFF":

- •Stored Text
- Margins
- Tabs

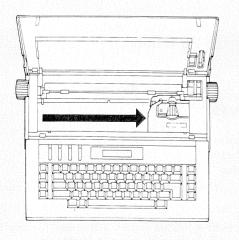
The built-in lithium battery that is used to store these functions can be used for about 15 years.

# REPLACING THE CUPWHEEL<sup>TM</sup> 1-3 PRINTING ELEMENT

- 1 Set the **POWER** Switch to the "OFF" position. Remove the AC Power Cord from the Power Input Jack.
- 2 Hold both sides of the Top Cover and open it.

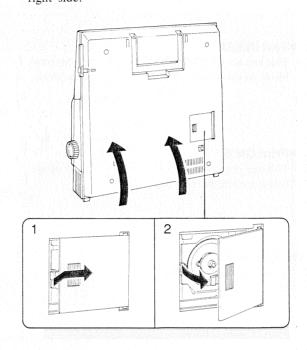


3 Using your hand, gently move the Carriage to the right side.

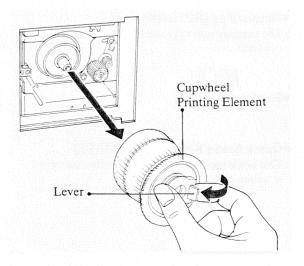


4 Close the Top Cover again and place the Type-writer on its back.

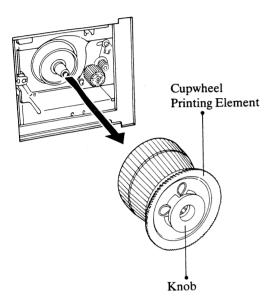
Remove the Bottom Cover Lid by sliding it to the right side.



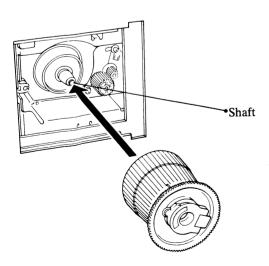
5 Grasp the Lever of the Cupwheel Printing Element between your fingers to release the lock. Then pull it directly out as shown in the figure.



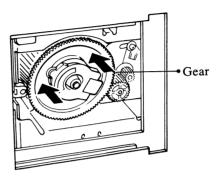
•If a Cupwheel Printing Element without the Lever is used, grasp its Knob and pull it directly out.



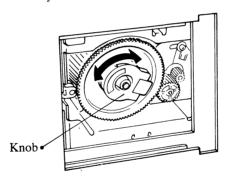
- 6 Insert another Cupwheel Printing Element so that the shaft enters the hole in the center of the
  - •Insert the element so that it will not get caught by the Ribbon.



7 Confirm that the gear is engaged and then push in until a clicking sound is heard.



8 Hold the Knob of the Cupwheel Printing Element and turn it slightly to check that it rotates freely.



- 9 Slide the Bottom Cover Lid to its closed position.
- 10 Before setting the POWER Switch to "ON", confirm that the Cupwheel Printing Element has not been caught by the Ribbon.

  If the Element has been caught, remove the Ribbon Cassette and install it again.

Refer to pages 10 and 11.

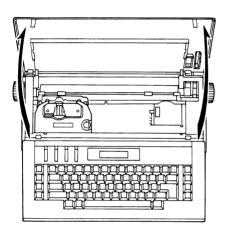
•Set the Pitch Selector in accordance with the type of Cupwheel Printing Element.

If the power is switched on while the Cupwheel Printing Element is incorrectly installed, the buzzer will sound.

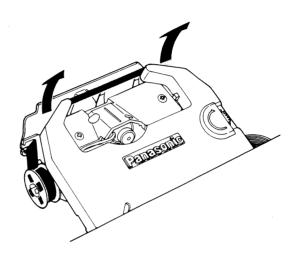
In this case, set the **POWER** Switch to "OFF" and install the Cupwheel Printing Element correctly.

# REPLACING THE RIBBON 1-4 CASSETTE

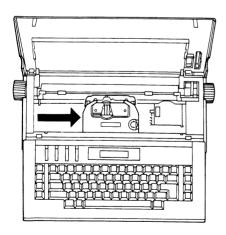
- 1 Set the POWER Switch to the "OFF" position, and remove the AC Power Cord from the Power Input Jack.
- 2 Hold both sides of the Top Cover and open it.



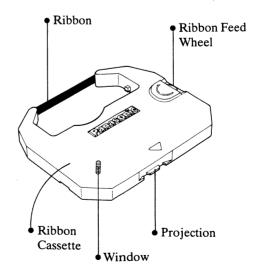
4 Hold the old Ribbon Cassette with both hands and remove it by first raising the front end and then lifting the entire Ribbon Cassette.



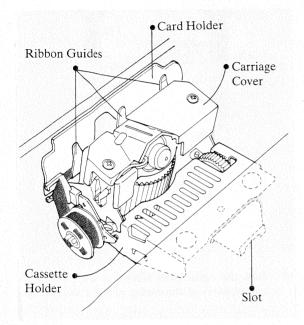
3 Using your hand, gently move the Carriage to the center of the Platen.



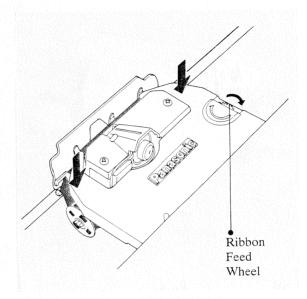
5 Turn the Ribbon Feed Wheel (on the new Ribbon Cassette) clockwise to tighten the Ribbon.



Position the new Ribbon Cassette over the Cassette Holder so that the Window (through which the ribbon can be seen) is on the top, then place the Projection on the rear of the cassette into the Slot at the front of the Cassette Holder.



- Set the Ribbon between the Carriage Cover and the Ribbon Guides and then gently press the front of the cassette with both hands until the cassette is locked. Turn the Ribbon Feed Wheel clockwise until a clicking sound is heard.
  - •With a new ribbon, turn the Ribbon Feed Wheel until the black ribbon can be seen.

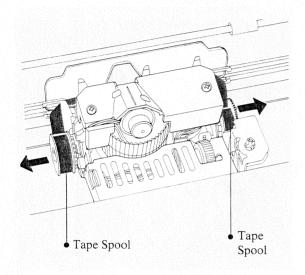


8 Confirm that there is no slack in the Ribbon. If there is slack, turn the Ribbon Feed Wheel clockwise to remove it.

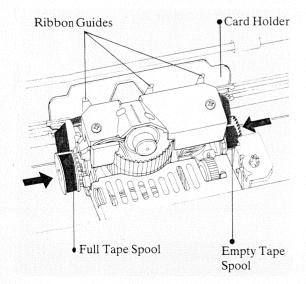
Do not apply excessive force to or bend the flat cable coming out from the Carriage.

# REPLACING THE 1-5 CORRECTION TAPE

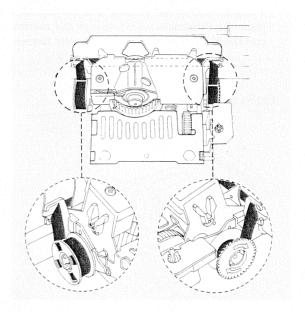
- 1 Remove the Ribbon Cassette by the steps 1~4 of "REPLACING THE RIBBON CASSETTE".
- Remove the used Correction Tape by pulling the Tape Spools outwards on both sides.



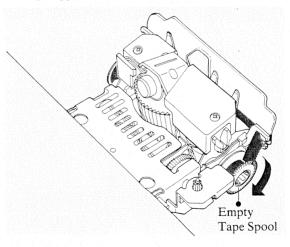
3 Place the new Correction Tape with the Full Spool on the left side, and then pass the tape between the Card Holder and the Ribbon Guides.



• Make sure that the inner surface of the tape on the spool faces toward the Platen.



4 Turn the right spool clockwise until the white tape appears at the center of the Card Holder.

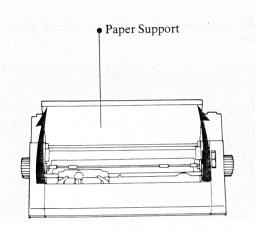


5 Install the Ribbon Cassette properly. (Follow the steps 6 through 8 of "REPLACING THE RIBBON CASSETTE".)

Always set the **POWER** Switch to "OFF" before exchanging the Correction Tape. Do not touch the Carriage while the power is "ON".

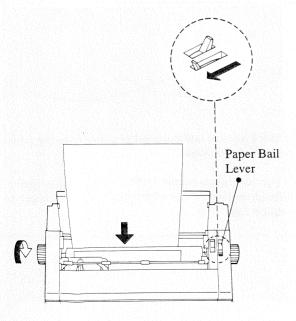
# a. Paper Insertion

1 Raise the Paper Support.

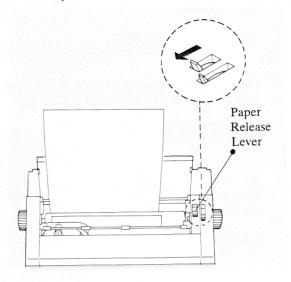


2 Insert the paper straight under the back of the Platen.

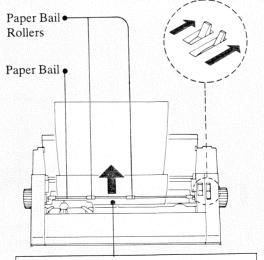
Pull the Paper Bail Lever towards you. While keeping the left edge of the paper in line with the marker on the Paper Support. Turn the Platen Knobs until the paper appears at the front of the Platen.



3 Feed the paper underneath the Paper Bail, pull the Paper Release Lever, and adjust the paper.



4 Return the Paper Release Lever and Paper Bail Lever to their original positions and then position the Paper Bail Rollers to hold down the paper.



Proper printing and correction will not be possible if there is any slack in the paper. Hold the paper by the top edges and pull up to remove any slack.

# 2-1 TYPING

# a. Procedure for Typing

1 Verify that the Cupwheel Printing Element, Ribbon Cassette and Correction Tape are correctly installed.

Refer to pages 8 to 12.

2 Connect the AC Power Cord to the Power Input Jack in the unit and household AC Socket.

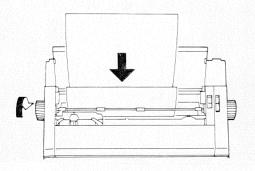
Refer to page 7.

3 Set the **POWER** Switch to the "ON" position. The Carriage will move to the left margin that was last set.

Refer to page 7.

4 Insert the paper under the back of the Platen and rotate the Platen Knob to feed the paper to the desired position.

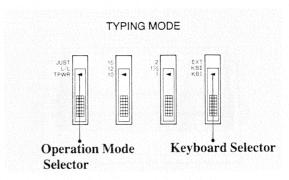
Refer to page 13.



#### Typing may now proceed.

Verify that the Operation Mode Selector is in the "TPWR" position.

•The Selectors are on the left side of the LCD Display.

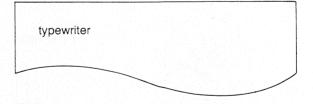


If the Keyboard Selector is in the "EXT" position, set it to the "KBI" or "KBII" position.

•Try typing the following word:

#### typewriter

•The characters have now appeared on the paper as:

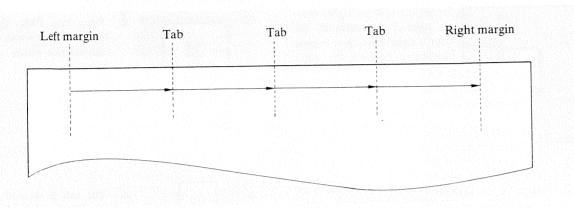


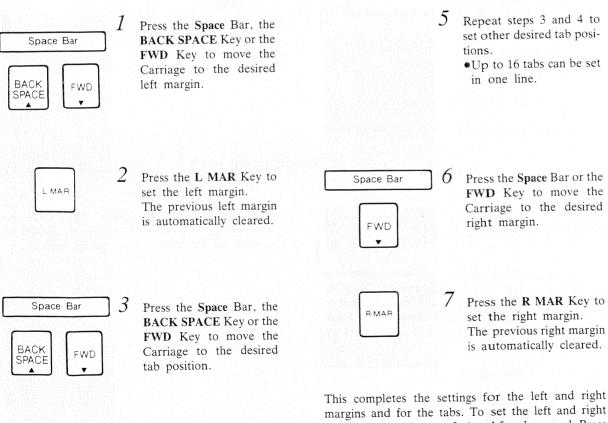
The Typing of one character at a time onto the paper is called the Typewriter (TPWR) Mode.

You now know how to proceed with simple typing. Read through the following instructions in order to make full use of the unit's functions.

# b. Margin and Tab Settings

TPWR Mode





This completes the settings for the left and right margins and for the tabs. To set the left and right margins only, skip steps 3, 4 and 5 and proceed. Press the **RETURN** Key to move the Carriage to the left margin on the next line and begin typing.

Press the TAB SET Key

## C. Margin Release

TPWR Mode

MAR REL

To set the left (or right) margin beyond the currently set left (or right) margin or to type characters beyond the right margin, press the MAR REL Key with the Carriage positioned at the margin in question.

The margin is temporarily released and the Carriage can be moved, or typing can be performed, beyond the margin. At this time, if you wish to set the left (or right) margin, press the L MAR Key (or R MAR Key) to set the margin.

When the Carriage reaches the right margin, the buzzer sounds and the keys are locked. The keys can be released by following either of the

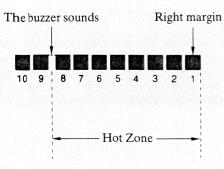
steps below:
• Press the RETURN Key to move the Carriage to the

• Press the MAR REL Key to temporarily release the margin and continue typing.

# d. Hot Zone

left margin on the next line.

The Hot Zone is the area that starts with the sound of the buzzer and ends with the right margin. When the Carriage enters the Hot Zone, the buzzer sounds to indicate that only another 8 characters can be typed on that line. The same applies for the L/L and JUST Mode.



## e. Tab Clearing

TPWR Mode

TAB D TAB Press the **TAB** Key to move the Carriage to the tab position which is to be cleared.

TAB CLR The tab is cleared when the **TAB CLR** Key is pressed.

# f. Clearing All Tabs

TPWR Mode

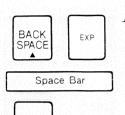
CODE

Press the **TAB CLR** Key while pressing the **CODE** Key to clear all the tabs.

#### a. Automatic Correction

**TPWR Mode** 

This unit has a one line correction memory, so you can delete the characters on the current line automatically with one simple operation.



FWD

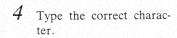
Use the BACK SPACE Key, the EXP Key, the FWD Key or the Space Bar to move the Carriage to the position of the character to be corrected.



2 Press the X Key. The character will be deleted.



3 At this time, to continue automatic correction press the RPT Key. This will cause the previously printed characters on the line to be deleted one at a time until the RPT Key is released.





When the RELOC Key is pressed, the Carriage returns to the end of the line and typing can be continued.

- •Directly after printing a character at the end of the line, the Carriage will move back and the character will be deleted automatically when the Key is pressed.
- Automatic Correction is not possible after the **RETURN** Key has been pressed. In this case, Manual Correction must be performed.
- •When several characters have been printed superimposed, only the character printed last will be deleted automatically.

#### **Correction Tape**

Two types of tape can be used for correction.

#### **●Lift-off** Correction Tape

This type of correction tape is used together with correctable film ribbon.

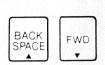
#### Cover-up Correction Tape

This tape is used together with fabric ribbon.



## b. Quick Erase

The QUICK ERASE feature allows you to correct one word at a time. Like Automatic Correction, this feature works only in the correction memory.



- Using the BACK SPACE Key or FWD Key, move the Carriage or cursor to the last character of the word to be erased.
  - •If you have pressed the Space Bar after typing an incorrect word, make sure to press the BACK SPACE Key, before pressing the OUICK ERASE Key.



- Press the QUICK ERASE Key.
  The word will be erased.
- 3 Type in the correct word.

By pressing the QUICK ERASE Key when the Carriage or cursor is in the middle of a word, the characters to the left of the current position will be corrected.

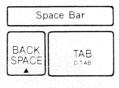
## C. Manual Correction

TPWR Mode

When an error is noticed after the **RETURN** Key has been pressed, Manual Correction must be used to delete error.



Since the contents of the correction memory are cleared when the RETURN Key is pressed, turn the platen to position the Carriage on the line where the correction is to be made.



Use the Space Bar, the BACK SPACE Key, the TAB Key, or the CODE Key and H Key (Half Space) to move the Carriage to the position of the character to be corrected.

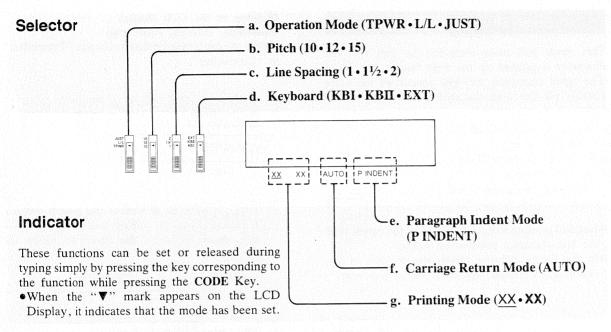




- Press the X Key and then the key of the character to be deleted, the respective character will be deleted.
- 4 Type the correct character.
- Move the Carriage to the position of the last character which was typed to continue typing.

# DESCRIPTION OF 2-3 FUNCTIONS

Chapter 2



Decimal Tab, Centering, Right Margin Flush and Half Space functions are also available.

Refer to pages 24 to 26.

# a. Operation Mode Selector

JUST L/L
TPWR

The printing method is selected.

#### Typewriter (TPWR) Mode

The characters entered will be printed immediately. Margin and tab settings are executed in this mode. Set the margins and tabs in this mode.

#### Line by Line (L/L) Printing Mode

When character keys are pressed, the respective characters appear on the LCD Display and can be edited (inserted, deleted, corrected) on the display before they are printed.

When the **RETURN** Key or **TAB** Key is pressed, the characters in the line are printed.

# DESCRIPTION OF FUNCTIONS

#### **Justify (JUST) Printing Mode**

This mode will print each line so that the last character is printed on the right margin.

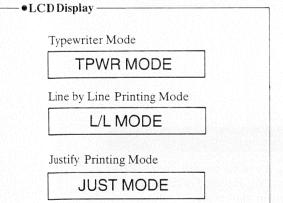
The typed characters will first appear on the LCD Display (at this time the characters can be edited before they are printed).

When further input will exceed the right margin the characters will be printed on the paper.

For this reason, you need only press the RETURN Key when you wish to end the paragraph.

If the **RETURN** Key is pressed, the characters typed up to that point will be printed without being justified.

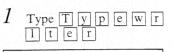
- Justified printing will start only when the cursor is at the last character position on a line.
- •In the Justify Printing Mode, the position of the Automatic Carriage Return Mode is irrelevant.



If the operation is interrupted and/or the buzzer sounds continuously turn the unit off and then on. If the unit does not return to normal operation and/or the buzzer still sounds check to see if the Ribbon Cassette or the Correction Tape has reached its end.

• Editing on the LCD Display (inserting, deleting, correcting)

Follow the explanation below to change "Typewrlter" to "Typewriter".



Typewrlter

Cursor-



Press the BACK SPACE Key four times to move the cursor to below the "1".

Typewrlter



3 Press the ⊠ Key to delete the "l".

Typewrter



4 Press the FWD Key to move the cursor to below the "t".

Typewrter



Press the I Key to insert the "i".

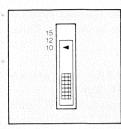
**Typewriter** 



When the **RELOC** Key is pressed, the cursor moves to the position after the character that was last typed.

**Typewriter** 

#### b. Pitch Selector



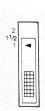
Set according to the pitch of the Cupwheel Printing Element being used.

The maximum number of characters that can be printed on a line is 101.

This maximum number of characters that can be printed on a line is 121.

This maximum number of characters that can be printed on a line is 151.

# C. Line Spacing Selector



This selects the amount of paper that is fed each time the **RETURN** Key is pressed.

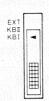
1 ..... Paper is fed by one line.

11/2 ..... Paper is fed by one and a half lines.

2 ...... Paper is fed by two lines.

•When the Platen Knob is rotated manually, one click advances the paper one half of a line.

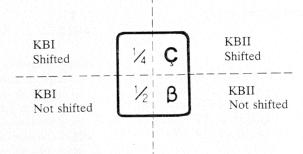
# d. Keyboard Selector



Between two and four characters and symbols are contained in each key. The keyboard mode is thus selected to differentiate between these characters and symbols.

**KBI** ..... The characters and symbols on the left side of the key can be typed.

**KBII** . . . . The characters and symbols on the right side of the key can be typed.



EXT ..... This function is used when print-out data is received from a computer using the Interface Adaptor RP-K100, which is obtained separately.

•Combinations with accent symbols (dead keys)
The following combinations are possible.

Since the five accent symbols (``^^") are used together with other characters, the carriage does not move after these symbols are printed.

äëïöü	ÄËÏÖÜ
áéíóú	ÁÉÍÓÚ
àèìòù	ÀÈÌÒÙ
âêîôû	ÂÊÎÔÛ
ãõñ	ÃÕÑ

#### **Repeat Functions**

The following keys have a repeat function when they are continuously pressed.

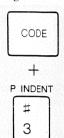
- •Space Bar
- ●BACK SPACE Key
- •FWD Key
- •RETURN Key

# DESCRIPTION OF FUNCTIONS

## e. Paragraph Indent

This function is used when sentences are to be typed temporarily indented to the right.

Setting

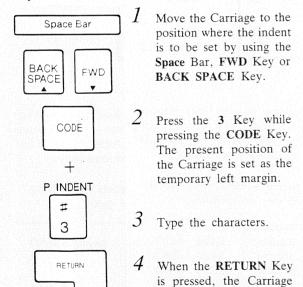


Press the 3 Key while pressing the CODE Key.

When pressed, the "♥" mark on the LCD Display appears and paragraph indent is set. When pressed again, the "♥" mark disappears and paragraph indent is released. Press the RETURN Key to return to the original left margin.

PINDENT .. Paragraph Indent setting

#### Operation



•The Paragraph Indent Mode does not function outside the left or right margin.

moves to the indent posi-

tion on the next line. Continue to type.

 When the margin is reset, the Paragraph Indent Mode will be cancelled.

# f. Carriage Return Mode

This function selects whether the Carriage return is made automatically or manually in the Hot Zone.

#### Setting



Press the 2 Key while pressing the CODE Key.

When pressed, the "♥" mark on the LCD Display appears and Automatic Carriage Return Mode is set.

When pressed again, the "♥" mark disappears and the unit returns to the Manual Carriage Return Mode.

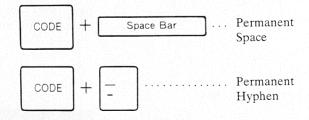
AUTO ..... Automatic Carriage Return setting

- •When a space or hyphen is entered in the Hot Zone, the carriage automatically moves to the left margin or paragraph indent position on the next line.
- •When in the Justify Printing Mode, the position of the Automatic Carriage Return Mode is irrelevant.
- •This operates as Auto Line Feed Selector when using the unit as a printer.

Refer to page 33.

#### **Permanent Hyphen and Space**

When in the Automatic Carriage Return Mode, this function allows typing to be continued without the Carriage return in the Hot Zone.



•A Permanent Space is indicated as " in it is on the LCD Display. (When editing on the LCD.)

# g. Printing Mode

Underlined Printing and Bold Printing can be set.

#### **Underlined Printing**

#### Setting

CODE +

> MAR REL

Press the MAR REL Key while pressing the CODE Key.

When these keys are pressed, the "♥" mark on the LCD Display appears and the Underlined Printing Mode is set.

When pressed again, the "\vec{\pi}" mark disappears and characters are printed without underlining.

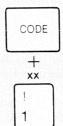
# XX...... Underlined Printing setting

#### Symbols on the LCD Display

#..... Underlined Printing Mode finish

#### **Bold Printing**

#### Setting



Press the 1 Key while pressing the CODE Key.

When pressed, the "♥" mark on the LCD Display appears and the Bold Printing Mode is set.

When pressed again, the "▼" mark disappears and the unit returns to ordinary printing.

Y.			
XX.	 Bol	d Printing	g setting

- •Symbols on the LCD Display
  - Bold Printing Mode start
  - Bold Printing Mode finish

# DESCRIPTION OF FUNCTIONS

#### h. Decimal Tab

When the TAB Key is pressed while pressing the CODE Key, the decimal points can be aligned at the set tab position. The decimal tab function can be used not only with numbers but also with symbols.

#### Operation

CODE

TAB

1 First, set a tab at the position where the decimal point is to be printed.
2 Press the RETURN Key,

Press the RETURN Key, EXP Key, or BACK SPACE Key to return the Carriage.

Press the **TAB** Key while pressing the **CODE** Key. This will move the carriage to the position where the decimal point will be printed.

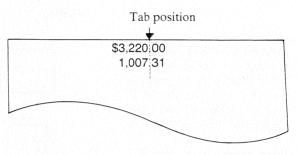
The following will appear on the LCD Display to indicate the unit is waiting for input.

#### **DECIMAL TAB**

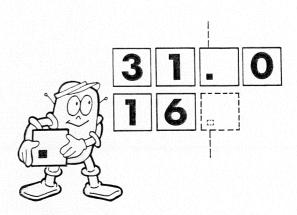
- 3 Enter the integral part of the number.
  The entered number is displayed on the LCD Display.
- 4 When the decimal point (period) is entered, printing will be executed so that the decimal point is printed at the tab position.
- 5 Type the decimal portion of your input.

Repeat the above steps (2 to 5) to type lists of statistics.





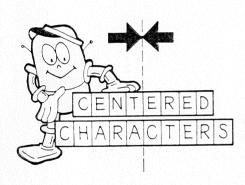
- •When the number is only an integral part and there is no decimal point, use the TAB Key, the RETURN Key, or the TAB Key and CODE Key simultaneously for printing.
- •When a large number of characters is to be entered and any further entry will go beyond the left margin or will be superimposed over already printed characters, the buzzer sounds and character input is no longer accepted.
- •To cancel the Decimal Tab Mode, press the Key and then press the RPT Key to delete all the entered characters until the buzzer sounds. Then press the Key again.



# i. Centering

Centering is performed as indicated below, depending on the Carriage position.

- When the Carriage is at the left margin, centering is performed between the left and right margins.
- •When the Carriage is at a paragraph indent position, centering is performed between that position and the right margin.
- •When the Carriage is on a tab, centering is performed between that tab and the next tab.
- When the Carriage is on the last tab, centering is performed between that tab and the right margin.



Operation



- Press the C Key while pressing the CODE Key. The Carriage moves to the centering position and the following appears on the LCD Display.
- •When centering is between the margins:

# L-R CENTERING

•When centering is between tabs:

## TAB CENTERING

2 Enter the words or sentences to be centered.



- 3 When the RETURN Key is pressed, the typed characters are printed. The Carriage returns to the left margin on the next line.
- •When a line feed is not desired, press the **TAB** Key to move the Carriage to the next tab or to the right margin.
- When you try to enter a large number of characters and any further entry will go beyond the tabs or margins, or will be superimposed over already printed characters, the buzzer will sound and character input is no longer accepted.
- •To cancel the Centering Mode, press the  $\times$  Key and then press the **RPT** Key to delete all the entered characters until the buzzer sounds. Then press the  $\times$  Key again.
- Centering can not be performed while in the Text Mode.

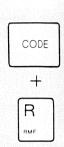
# j. Right Margin Flush

k. Half Space

TPWR Mode

This function prints each line so that the last character is printed on the right margin.

Operation



1 Press the R Key while pressing the CODE Key. The Carriage moves to the right margin and the following appears on the LCD Display:

R-MARGIN FLUSH

2 Enter the words or sentences to be printed.



3 When the RETURN Key is pressed, the characters are printed with the last character on the right margin. The Carriage then moves to the left margin on the next line.

- •When you try to enter a large number of characters and any further entry will go beyond left margin, or will be superimposed over already printed characters, the buzzer will sound and character input is no longer accepted.
- •Right Margin Flush can not be performed while in the Text Memory Mode.

The Half Space is used to insert a character into a word when you have already typed past it.

For example if you have typed "The quick bron fox jumps" and you wish to insert "w" into "bron", you would use the following procedure.

#### Operation

I Back space and erase the incorrect word (bron).



2 Press the BACK SPACE Key once.



Press the H Key while pressing the CODE Key. As a result the Carriage will move one half space to the right.



4 Type the correct word (brown).

a.

#### **How to Enter Text**

Set the left and right margins, tabs and printing pitch.

These margins and printing pitch are stored in the memory.

TEXT IN/OUT

Press the TEXT IN/OUT Key. The following message is indicated for about a second on the LCD display.

TEXT MODE

•The LCD Display message then changes to:

TEXT # ? [1-20]



0

Input a number (between 1 and 20). For example, to input phrase number 20, press the 2 Key followed by the 0 Key. The following will appear on the LCD Display.

TEXT # 20 [1-20]



Press the RETURN Key. If there is no text in the designated file, the following appears and you can enter the text. (Ex. you select file 20)

20 \$

If text has already been entered in the designated file, the following message appears for about a second:

## SELECT MARGIN

•The messages on the LCD Display appear alternately:

1: CURRENT

: STORED

#### **CURRENT:**

The text is both displayed and printed with the margins which were set upon entry into the Text Memory Mode. Printing starts from the Carriage position.

#### STORED:

The text is both displayed and printed with the margins which were stored when the text was entered in the Text Memory. Printing starts from the left margin stored in the Text Memory. When the Carriage is not at the left margin, it moves automatically to the left margin.



0 2 Press the 1 or 2 Key to select the margins.

1 Key .... CURRENT 2 Key .... STORED The stored text will be displayed.

RETURN

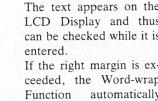
#### b. **How to Print Text**

Enter the text without taking note of the margins.

The text appears on the LCD Display and thus can be checked while it is

If the right margin is exceeded, the Word-wrap Function automatically moves the last word to the next line.

• Press the **RETURN** Key only when required at the end of a paragraph. The return mark "↓" will then appear on the LCD Display.



### **Functions Stored in the Text Memory**

...... The present margin settings will be stored in the Text Memory.

. The present pitch settings will be stored in the Text Memory.

• Tabs ...... The space positions will be stored in the Text Memory as permanent space positions.

• Bold ..... Can be set freely. Underlined

#### **Exiting from the Text Memory Mode**



Press the TEXT IN/OUT Key when text is not to be printed in the Text Memory Mode. The following message appears on the LCD Display and you can exit from the Text Memory Mode.

TEXT MODE END

- Set the line spacing and pitch to the desired position.
- When the stored margins are not to be used, set the margins and carriage position.
  - •When you wish to perform justified printing of a text, set the Operation Mode Selector "JUST".



Press the TEXT IN/OUT Key and enter the file number. Then, press the RETURN Key and select the margin.

Immediately after the desired file has been selected, the cursor will be located at the beginning of the text.

To start printing from an intermediate point in the text, move the cursor to the desired position.



Press the PRINT ON/OFF Key.

> Printing starts from the cursor position.

(To print from any point in the text, move the cursor to that point beforehand.)

TEXT PRINTING

PRINT ON/OFF To stop printing temporarily, press the **PRINT ON/OFF** Key again.

Printing then stops at the beginning of the next line.

- •The PRINT ON/OFF Key is used to start, temporarily halt and to resume printing.
- After printing has been temporarily stopped, you can type additional words on the paper but these words will not be stored in the Text Memory.
- •While the unit is not printing, none of the indications "TPWR MODE", "L/L MODE" or "JUST MODE" will appear on the LCD Display.
- 6 Upon completion of printing, an exit is automatically made from the Text Memory Mode.
  - Press the TEXT IN/OUT
    Key to exit from the
    Text Memory Mode
    while printing has been
    temporarily stopped.

#### **Stop Codes**

This unit will allow you to enter and instruct it to stop printing at a particular point so that you may insert variables within the body of the text.



STOP

During text entry, input the Stop Code by pressing the P Key while pressing the CODE Key.

As a result when the text is printed out, printing will stop at that point.

The following message appears on the LCD Display.

#### S STOP CODE

Type the variable information.



To resume printing press the **PRINT ON/OFF** Key. The variable information will not become part of the stored text.

•Symbols on the LCD Display
Stop Code



#### **How to Edit Text** C.

TEXT

- Press the TEXT IN/OUT Key and enter the file number. Then, press the RETURN Key and select the margins.
- Proceed with the editing.
- The cursor moves one character at a time to the right. When it reaches the end of the line it moves automatically to the beginning of the next line.
  - The cursor moves one character at a time to the left. When it reaches the beginning of the line it moves automatically to the end of the previous line.
- The cursor moves to the beginning of the next line.
- The cursor moves to the beginning of the previous line.
  - The cursor moves to the beginning of the text.
  - The cursor moves to the end of the text.
  - The character above the cursor is deleted

# Character

When a character key is pressed, keys ..... the character is inserted automatically to the left of the cursor.

> Upon completion of editing, press the TEXT IN/ OUT Key to exit from the Text Memory Mode.

> > TEXT MODE END

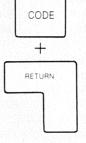
#### d. **Word Search**

You can search for specific words in the Text Memory with ease.



Press the S Key while pressing the CODE Key when editing text. The following message will appear on the LCD Display.





Enter the word or phrase to be searched. When searching for a phrase that includes the return mark, press the RETURN Key while pressing the CODE Key to insert the return mark.



CODE

N

CODE

+

S

- Press the RETURN Key. The search starts from the cursor position and the word initially located is displayed.
  - •If the words are not found in the text, "NOT FOUND!!" appears and the cursor position remains unchanged.

# NOT FOUND !!

Each time you press the N Key while pressing the CODE Key, you can successively search for the same word.

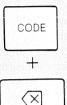
To search for a different word, press the S Key while pressing the CODE Key, then re-input the new word.

•By pressing the S Key while pressing CODE Key, the previously input word will be cleared.



#### How to Clear Text

TEXT IN/OUT Press the TEXT IN/OUT Key, press the number corresponding to the file whose contents are to be cleared. Then, press the RETURN Key and select the margins.



TEXT CLR

Press the X Key while pressing the CODE Key. The following message appears on the LCD Display. (Check whether the contents are to be cleared or not.)

# DELETE # 1 Y/N ?

(Display applies when file 1 has been selected.)



3 Press the Y Key to clear the text.
The following display

The following display appears to indicate that there is no text in the file.



Press the N Key if you decide not to clear the text.



4 Press the TEXT IN/OUT Key to exit from the Text Memory Mode.

#### TEXT MODE END

# f. Check of Remaining Memory

CODE

When the M Key is pressed while pressing the CODE Key in the Text Memory Mode, the amount of space left in the memory appears on the LCD Display.

+

256 CHR. LEFT

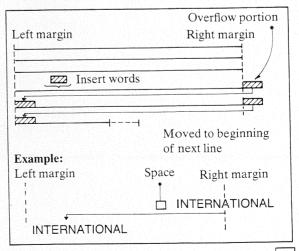


If you try to enter more characters when the memory is already full, the following message will appear and at the same time the buzzer will sound. The characters you entered are not accepted.

### MEMORY FULL !!

# g. Word-wrap

Word-wrap is a function applying when text is entered or when phrases are inserted. It automatically shifts a word which has gone beyond the right margin to the beginning of the next line. When the end of the next line goes beyond the right margin because of this movement, the same operation is automatically performed and it continues until there is no overflow. This function makes editing easier since words are positioned between the left and right margins without being split.



This unit can be used as a printer to print data received from a computer via the optional RP-K100 Interface Adaptor.

•When the Keyboard Selector is put in the "EXT" position, "EXT: ON LINE" will appear on the LCD Display.

The following two types of interface are available:

•Serial (RS-232C)

• Transmission speed: 300 baud

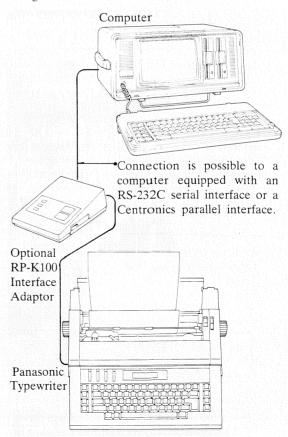
• Data length: 8 bits • Stop bit: 1 or 2 bits

· Parity: None

•Parallel (Centronics specifications)

#### **Connection to a Computer** a.

- If your computer is equipped with a Centronics parallel interface, you will require the RP-K100 Interface Adaptor and a standard Centronics parallel interface cable. This cable can be purchased at many computer stores.
- If your computer is equipped with an RS-232C serial interface, you will require the RP-K100 Interface Adaptor and an RS-232C serial cable.
- •If a different RS-232C serial interface is used, you may require a different cable than the one listed in
- If your computer is not equipped with a Centronics parallel interface or an RS-232C serial interface then you will need to purchase one for your computer.
- •Switch off the power before proceeding with the connections.
- •Before connecting the computer, refer to the operating instructions for the RP-K100.



# RS-232C Interface Cables (Optional Accessories)

Computer	RS-232C Serial Interface Card	Cable
Panasonic Sr. Partner RL-H7000	(built in)	RP-K110
Commodore 64	VIC1011A (Commodore) or equivalent	RP-K110
Apple II	Super Serial Card (Apple)	RP-K110
IBM PC	Asynchronous Adaptor Card (IBM)	RP-K111
Panasonic Exec. Partner	(built in)	RP-K111

- •Turn on the unit's power before starting to transmit data from the computer via the RP-K100 Interface Adaptor.
- •You can temporarily stop printing by pressing the **PRINT ON/OFF** Key on this unit.

When the unit is not printing, the following indication will appear.

#### EXT: OFF LINE

- •While data is being received by the Interface Adaptor, the Carriage automatically returns when it reaches the right margin. The paper advances one line and printing continues.
- •If the unit's power is switched off and printing is forcibly stopped while data is being transmitted, the data will remain in the buffer memory of the RP-K100 Interface Adaptor.

When printing is to be resumed, stop the transmission from the computer and turn off the power of the RP-K100 Interface Adaptor to clear the buffer memory.

# b. Control Codes

Symbol	Code	Operation
BS	08H	Back Space
НТ	09H	Tabulation
LF	0AH	Line Feed
CR	0DH	Carriage Return
ESC	1BH	Special functions in combination with the following code

#### **Expansion Functions**

ESC+"E" (1BH+45H) ESC+"F" (1BH+46H) ESC+"G" (1BH+47H) ESC+"H" (1BH+48H) ESC+"-"+00H (1BH+2DH+00H).	Bold OFFBold ONBold OFFUnderline OFF
ESC+"-"+01H(1BH+2DH+01H). ESC+"-"+"0"(1BH+2DH+30H). ESC+"-"+"1"(1BH+2DH+31H).	Underline ON Underline OFF

# C. Auto Line Feed Operation

Automatic Line Feed can be selected by setting the Carriage Return Mode as shown below.

● Automatic Carriage Return Mode . . Auto Line Feed ON ● Manual Carriage Return Mode . . Auto Line Feed OFF

Code	Auto Line Feed ON	Auto Line Feed OFF  Carriage Return		
CR	Carriage Return, Line Feed			
LF	Carriage Return, Line Feed	Line Feed		
CR+LF	Carriage Return, Line Feed	Carriage Return, Line Feed		
LF+CR	Carriage Return, Line Feed	Carriage Return, Line Feed		

# d. Data Types

#### **Printing Codes**

Input data from a computer is converted into the following characters and symbols.

Upper	0	1	2	3	4	5	6	7	8	9	A	В	С	D	E	F
0			Space	0	@	P		p			ß	••	Ú	ù		
1			!	1	A	Q	a	q			1/2	Ä	á	•		
2			,,	2	В	R	ь	r			1/4	Ë	é	Â		
3			#	3	С	S	С	S				Ϊ	í	Ê		
4			\$	4	D	Т	d	t				Ö	ó	Î		
5			%	5	Е	U	e	u				Ü	ú	Ô		ñ
6			&	6	F	V	f	v				ä	,	Û		
7			,	7	G	w	g	w				ë	À	â		
8	BS		(	8	Н	X	h	x			ç	ï	È	ê		
9	НТ		)	9	I	Y	i	у				ö	Ì	î		-
A	LF		*	·	J	Z	j	z			i	ü	Ò	ô		Ã
В		ESC	+	;	K	Space	k	Space			ن		Ù	û		Õ
C			,	Space	L	Space	1	Space			¢	Á	à			Ñ
D	CR	(4)	-	=	M	Space	m	Space			£	É	è			ã
E				Space	N	^	n	~				Í	ì			Õ
F			/	?	0	-	0					Ó	ò			

<sup>•</sup>For the five types of accent symbols (Codes, B0H, BBH, C6H, D1H, F9H) the carriage respectively stops at the printing position and moves after printing the next character.

# a. Power Supply

Always grasp the plug when inserting into, or removing it from the AC Socket. Never pull on the cord.

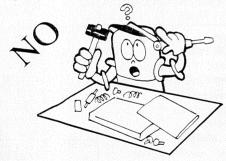
- •Do not connect or disconnect with wet hands.
- •Under no circumstances should the cord be pulled, twisted or extended.



# b. Remodeling, Contact, etc.

Remodeling will cause breakdowns or failures.

• Electric shocks or other failures may occur if any of the inside parts are touched or if clips or other metal objects are inserted into the unit.



Do not place containers with water on top of the unit.

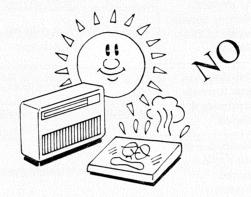
•This may cause a fire or electric shocks.



## C. Locations for use

Do not use the unit in locations exposed to heavy dust or violent vibration.

• Avoid using the unit in locations exposed to direct sunlight or to high temperature or humidity levels.

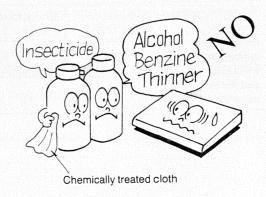


•Do not use the unit on a slant or at an angle.

# d. Cleaning

Clean the case with a dry cloth. If badly stained, dip a cloth into water mixed with a small amount of detergent and remove the stains. Then wipe dry with a clean, dry cloth.

 Using Benzine, Thinners, Alcohol and Chemically treated cloth for cleaning or using Insecticide sprays near the unit may deform or discolor the unit.



# XIGNEGIA

# a. Troubleshooting

• Check the points below before calling in a serviceman.

Symptom	Cause	Remedy/check	Reference page
No operation	POWER Switch on "OFF".	Set the <b>POWER</b> Switch to "ON".	7
even when keys	"EXT" position.	Put the unit in the "KBI" or "KBII".	21
are pressed. Nothing appears on the LCD Display.	The LCD Contrast Adjuster is set to low contrast.	Adjust the setting of the LCD Contrast Adjuster.	
Unit does not print correctly,	Paper Release Lever is in Release position.	Push lever to Lock position.	13
or printing is blurred.	End of Ribbon Cassette or Correction Tape.	Replace with new Ribbon Cassette or Correction Tape.	10~12
No deletion even with X Key; blurred characters.  Correction Tape is not installed.		Install Correction Tape.	12
Buzzer sounds during typing	Carriage at right margin.	Press the <b>RETURN</b> Key and move the Carriage to next line.	
and typing is disabled (keys	Carriage at right margin.	Press the MAR REL Key and continue printing on same line.	16
do not function).	Text Memory is full.	Re-edit the data or cancel the Text Memory Mode.	31
The main unit does not operate properly or the mechanism error buzzer sounds continuously.  Noise on the AC line or static electricity may prevent the main unit from operating properly.		All Reset Turn the POWER Switch "OFF" once, then back "ON" again. If the unit still does not function properly, press the TAB CLR Key and Key simultaneously while pressing the CODE Key. At this time the Text Memory, Margin, Tab, etc., are all cleared.	
When the buzzer sounds, a	"CARRI. INIT ERR" appeared on the LCD Display.	Check to see if there is any foreign matter in the Carriage mechanism.	
message will appear on the LCD Display,	"WHEEL INIT ERR" or "WHEEL STOP ERR" appeared on the LCD	Check to see that the Cupwheel Print Element is installed.	8, 9
and the unit will cease to operate.	Display.	Re-install the Cupwheel Print Element.	8, 9

$\times$	
11	

Symptom	Cause	Remedy/check	Reference page	
When the buzzer	"RIBBON INIT ERR" or "RIBBON	Re-install the Ribbon Cassette.	10, 11	
sounds, a message will appear on the	STOP ERR" appeared on the LCD Display.	Replace the Ribbon Cassette with a new Cassette.	10, 11	
LCD Display, and the unit will cease to operate.	"PLATEN INIT ERR" or "PLATEN STOP ERR" appeared on the LCD Display.	Check to see if there is any foreign matter adhering to the platen.		

ANY TIME YOU PLACE YOUR HANDS NEAR THE INSIDE OF THE UNIT MAKE SURE THAT THE POWER SWITCH IS IN THE "OFF" POSITION.

# b. Optional Accessories

#### **Cupwheel Printing Element**

1234567890

1234567890

•COURIER10 RP-T153 ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz

•PICA10 RP-T150 ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

ELITE12 RP-T151
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz

1234567890
•SCRIPT1012 RP-T152
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcde fghijklmnopqrstuvwxyz

GOTHIC15 RP-T154
 ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

#### **Ribbon Cassette**

- Correctable Film Ribbon Cassette RP-T132
- Fabric Ribbon RP-T142

#### **Correction Tape**

- •Lift-off Correction Tape (2 pcs) RP-T131
- Cover-up Correction Tape (2 pcs) RP-T141

## Computer Interface Cable (RS-232C)

- •RS-232C Interface Cable **RP-K110** [for Commodore 64, Apple II and Panasonic RL-H7000 (Sr. Partner)]
- •RS-232C Interface Cable RP-K111 (for IBM PC)

#### **Interface Adaptor**

• Parallel/Serial Interface Adaptor RP-K100

For Cupwheel Print Element, Ribbon Cassette, Correction Tape or Computer Interface Cable only, you can also contact your nearest Authorized Parts Distributor by calling.

1-800-447-4700 (Only in U.S.A.)

<b>Printing Element</b>	Cupwheel: 96 characters		
Print Speed	11 characters/sec.		
Print Pitch	10 characters/inch 101 characters/line 12 characters/inch 121 characters/line 15 characters/inch 151 characters/line		
Line Spacing	1, 1½, 2		
Paper Capacity	Max. 12 inches (304.8 mm)		
Print Capacity	Max. 10 inches (254 mm)		
Display	15-character LCD Display		
Ribbon Cassette	Correctable Film Ribbon (Standard Accessory) Fabric Ribbon		
Correction Tape	Lift-off Tape (Standard Accessory) Cover-up Tape		
Keyboard	Character Key: 45 Keys Function Key: 21 Keys		
Correction Memory	One line		
Text Memory	Max. 7000 characters		
Interface	RS-232C (Serial) and Centronics (Parallel) with optional Interface Adaptor RP-K100 (receive only)		
Power Supply	AC: 120 V, 60 Hz		
Power Consumption	36 W		
Memory Protection	Lithium Battery (Built-in)		
Operating Temperature	41°F~95°F (5°C~35°C)		
Dimensions (W $\times$ H $\times$ D)	16.8"×3.5"×15.6" (426×90×396 mm)		
Weight	12.1 lbs. (5.5 kg)		

<sup>•</sup> Design and Specifications are subject to change without notice.

To locate an Authorized Servicenter in Your Area within the Continental U.S.A.

# **DIAL TOLL FREE: 1-800-447-4700**

24 Hours a Day, 7 Days a Week

Requests for assistance in obtaining repairs or technical information...contact any one of the following Service Administration offices:

**EASTERN** 

45 Hartz Way Secaucus, NJ 07094 201-348-7460 **MIDWEST** 

425 East Algonquin Road Arlington Heights, IL 60005 312-981-4842

WESTERN

6550 Katella Avenue Cypress CA 90630 714-895-7438

**SOUTHERN** 

1854 Shackle-Ford Court. Suite 105 Norcross, GA 30093 404-925-6860

Correspondence requesting product information should be sent to:

Panasonic Consumer Affairs, Panasonic Company, Division of Matsushita Electric Corporation of America 1 Panasonic Way, Secaucus, NJ 07094.

# Service in Puerto Rico

MATSUSHITA ELECTRIC OF PUERTO RICO, INC.

Panasonic Sales Company **Factory Servicenter** 

Calle Rosarito, Edif D Ceramica Industrial Park Carolina, Puerto Rico 00630 809-750-5135

#### Service in Hawaii PANASONIC HAWAII, INC.

91-238 Kauhi Street, Ewa Beach P.O. Box 774 Honolulu, Hawaii 96808-0774 808-682-1521

# **Panasonic**

## **Technics**

# RAMSA

Your product is designed and manufactured to ensure a minimum of maintenance. However, should your unit ever require service, a nationwide system of FACTORY SERVICENTERS and AUTHORIZED INDEPENDENT SERVICENTERS is maintained to support your product's warranty.

## Service in the Continental U.S.A. ... **Factory Servicenters**

**ALABAMA** 2523-5th Avenue, South Birmingham, AL 35233 205-252-4195

#### ARIZONA

2121 Priest Drive, South Suite 107 Tempe, AZ 85282 602-968-8645

#### **CALIFORNIA**

6550 Katella Avenue Cypress, CA 90630 714-895-7425 930 South Mt. Vernon Drive Colton, CA 92324 714-825-3110 260 Visitacion Mall Brisbane, CA 94005 415-467-6860 20201 Sherman Way Suite 102 Canoga Park, CA 91306 818-709-1775 3012 Gold Canal Drive Rancho Cordova, CA 95670 916-638-4357

Viewridge Research Park 4830 Viewridge Avenue San Diego, CA 92123 619-560-9200

#### COLORADO

14401 E. 33rd Place Suite E Aurora, CO 80011 303-371-6968

### FLORIDA

16175 NW 52nd Avenue Miami, FL 33014 305-624-6521 4101 N. Dixie Highway Oakland Park, FL 33334 305-563-5847 208 Volusia Avenue Daytona Beach, FL 32014 904-258-8512 4115 W. Kennedy Boulevard

#### 813-872-2686 **GEORGIA**

Tampa, FL 33609

1575 Northside Drive Suite 325 Atlanta, GA 30318 404-351-8978

#### MATSUSHITA SERVICES COMPANY

Division of Matsushita Electric Corporation of America 50 Meadowland Parkway, Secaucus, New Jersey 07094

# 4245 International Blvd.

Norcross, GA 30093 404-925-6880

#### **ILLINOIS**

425 E. Algonquin Road Arlington Heights, IL 60005 312-981-4840 2100 Mannheim Road Northlake, IL 60164 312-681-2060

#### INDIANA

7025 Kensington Drive Indianapolis, IN 46226 317-542-7730

#### MARYLAND

8711 Liberty Plaza Mall Randallstown, MD 21133 301-655-0300

#### MASSACHUSETTS

101 University Avenue Westwood, MA 02090 617-329-4280 151 Andover Street Danvers, MA 01923 617-774-4356

**MICHIGAN** 1270-A Rankin Street Troy, MI 48084

#### 313-585-8666 MINNESOTA

7860-12th Avenue, South Airport Business Center Bloomington, MN 55420 612-854-8624

#### MISSOURI

10212 St. Charles Rock Road St. Ann, MO 63074 314-423-1900

#### NEW JERSEY

45 Hartz Way Secaucus, NJ 07094 201-392-6000

#### OHIO

494 Northland Boulevard Cincinnati, OH 45240 513-851-4180

#### PENNSYLVANIA

8362-80 State Road Philadelphia, PA 19136 215-332-5550

4986 Library Road, Rt. 88 Hillcrest Shopping Center Bethel Park, PA 15102 412-343-0555

#### TENNESSEE

925-8th Avenue, South Nashville, TN 37203 615-244-4434

#### TEXAS 7420 Harwin Drive

Houston, TX 77036 713-781-1528 10613 Sentinel Drive San Antonio, TX 78217 512-654-6677 1825 Walnut Hill Lane Irving, TX 75062 214-659-1770

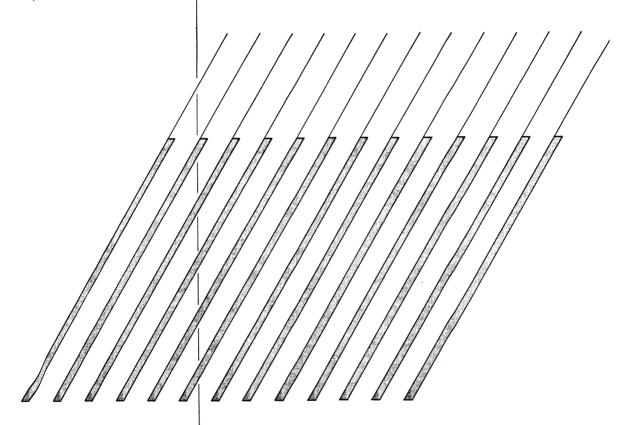
#### WASHINGTON

4060 Lind Avenue, SW Renton, WA 98055 206-251-8283

Panasonic Company Division of Matsushita Electric Corporation of America One Panasonic Way, Secaucus New Jersey 07094

Panasonic Hawaii, Inc. P.O. Box 774 91-238 Kauhi St. Ewa Beach Honolulu, Hawaii 96808-0774

Panasonic Sales Company Division of Matsushita Electric of Puerto Rico, Inc. Ave. 65 De Infanteria, KM 9.7 Victoria Industrial Park Carolina, Puerto Rico 00630



RQX4890ZA F0586X0

Printed in Japan